

What is claimed is:

1. A transmitting system for a small-sized vehicle in which a centrifugal clutch and a torque converter are interposed in series between a crankshaft of an engine and an output gear relatively rotatably carried on the crankshaft,

wherein a pump impeller of said torque converter and an output drum of said centrifugal clutch placed adjacently to the pump impeller are integrally coupled, with an open surface of the output drum facing an opposite side to the pump impeller, to be constructed as a single component.

2. A transmitting system for a small-sized vehicle in which a centrifugal clutch and a torque converter are interposed in series between a crankshaft of an engine and an output gear relatively rotatably carried on the crankshaft, and said centrifugal clutch is provided with a one way clutch for transmitting only a reverse load from a clutch output member to a clutch input member,

wherein a pump impeller of said torque converter and said clutch output member adjacent to the pump impeller are integrally coupled to a common hub relatively rotatably carried on the crankshaft to be constructed as a single component, and

wherein a plurality of clutch elements are interposed between said common hub and a clutch inner connected to said clutch input member and disposed in said common hub to construct said one way clutch.

3. A torque converter comprising a pump impeller with a pump hub being restrained from moving axially on an input shaft, a stator

impeller with a stator hub being connected to a stator shaft relatively rotatably carried on an outer periphery of the input shaft, and a turbine impeller with a turbine hub carried on an outer periphery of said stator shaft via a bearing, in which a one-way clutch for making it possible to transmit only a reverse load from a side of the turbine hub to a side of a hub of a side cover is interposed between the hub of the side cover connectively provided at said pump impeller and covering a back surface of said turbine impeller, and said turbine hub, and an output gear is connected to said turbine hub,

wherein both ends in an axial direction of a whole of said stator hub, bearing, turbine hub and output gear axially adjacent to each other are carried on said pump hub and an outer cylinder of a free wheel formed at an end portion of said stator shaft and restrained from moving axially on the input shaft respectively via a first and a second needle bearings.

4. A torque converter comprising a pump impeller connected to an input shaft, a stator impeller with a stator hub being connected to a stator shaft relatively rotatably carried on an outer periphery of the input shaft, and a turbine impeller with a turbine hub carried on an outer periphery of said stator shaft via a ball bearing, in which an output gear meshed with a driven gear is connected to said turbine hub,

wherein a part of tooth portion of said output gear is fitted into an inner tooth formed at one end surface of said turbine hub, thereby connecting the turbine hub and the output gear to each other.

5. The torque converter according to claim 4, wherein the tooth portion of said output gear is provided with a transmitting tooth portion meshed with said driven gear and a connecting tooth portion smaller in diameter than the transmitting tooth portion and fitted into said inner tooth gear.